Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/19/2021 09:02 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 09:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123983	-1	1.23	123875	1.19
Blue	F	SSC	125000	124559	-1	2.47	124844	2.31
Blue	E	FITC	13131	12817	-3	2.21	295	15.61
Blue	D	PE	24112	23848	-2	1.61	546	10.34
Blue	B	PerCP-Cy5-5	31295	30868	-2	2.93	1019	14.19
Blue	A	PE-Cy7	19939	19857	-1	5.18	530	28.07
Red	C	APC	42122	41837	-1	2.98	1756	11.21
Red	A	APC-Cy7	22340	21817	-3	3.40	817	11.49
Violet	B	V450	7410	7119	-4	4.03	435	12.33
Violet	A	V500	28118	26828	-5	3.56	670	10.07

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22982	1.08	563	-6	N/A	N/A	Pass
Blue	F	SSC	58061	1.11	515	3	N/A	N/A	Pass
Blue	E	FITC	55	53.22	484	-3	0.0402	72	Pass
Blue	D	PE	115	36.16	486	-2	0.4985	371	Pass
Blue	B	PerCP-Cy5-5	190	35.14	583	-3	0.0211	79	Pass
Blue	A	PE-Cy7	108	65.47	625	-3	0.0240	4	Pass
Red	C	APC	406	23.53	575	-1	0.0291	190	Pass
Red	A	APC-Cy7	183	26.51	548	-3	0.0065	807	Pass
Violet	B	V450	61	62.82	454	1	0.0701	2633	Pass
Violet	A	V500	97	34.70	465	0	0.0254	873	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/19/2021 09:02 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 09:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.97 - 71.95	N/A	N/A	-32.03	-31.78	1.04
Blue	20.35	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.41
Red	17.02	13.60 - 20.40	N/A	N/A	30.15	30.44	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 14389

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments